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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION	First Named Inventor: Kevin I. Bertness		
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U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AA	6,420,852	7/2002	Sato	320	134	
AB	3,816,805	6/1974	Terry	320	123	
AC	3,886,426	5/1975	Daggett	320	117	
AD	5,332,927	7/1994	Paul et al.	307	66	
AE	2003/0040873	2/2003	Lesesky et al.	702	57	
AF	7,120,488	10/2006	Nova et al.	600	2	
AG	5,430,645	7/1995	Keller	364	424.01	
АН	5,387,871	2/1995	Tsai	324	429	
AI	6,972,662	12/2005	Ohkawa et al.	340	10.1	
AJ	5,973,598	10/1999	Beigel	340	572.1	
AK	7,209,860	4/2007	Trsar et al.	702	183	
AL	6,845,279	1/2005	Gilmore et al.	700	115	

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
AM	WO 99/56121	11/1999	WIPO			X
AN	11-150809	6/1999	Japan			X (EP0902521A2)
AO	196 38 324	9/1996	Germany			X (Abstract)

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AP	Supplementary European Search Report Communication for Appl. No. 99917402.2, dated September 7, 2010.
AQ	Notification of Transmittal of the International Search Report for PCT/US03/30707, filed 9-30-03 and mailed 11-24-04.
AR	"DSP Applications in Hybrid Electric Vehicle Powertrain," Miller et al., Proceedings of the American Control Conference, San Diego, CA, June 1999; 2 pages.

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U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AS	2005/0025299	02-2005	Tischer et al.	379	199	
AT	7,200,424	4/2007	Tischer et al.	455	567	
AU	7,339,477	3/2008	Puzio et al.	340	572.1	
AV	7,212,887	5/2007	Shah et al.	700	276	
AW	7,182,147	2/2007	Cutler et al.	173	1	
AX	4,441,359	4/1984	Ezoe	73	116.06	
AY	3,776,177	12/1973	Bryant et al.	116	311	
AZ	2005/0057256	3/2005	Bertness	324	426	
BA	7,446,536	11/2008	Bertness	324	426	
BB	2006/0282323	12/2006	Walker et al.	705	014	
ВС	2007/0026916	2/2007	Juds et al.	463	001	

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
BD	WO 97/01103	1/1997	WIPO			X
BE						
BF						

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

BG	"Notification of Transmittal of the International Search Report and the Written Opinion of the International Searching Authority, or the Declaration" for PCT/US2008/008702, filed July 2008; 15 pages.
ВН	"A Microprocessor-Based Control System for a Near-Term Electric Vehicle," Bimal K. Bose; IEEE Transactions on Industry Applications, Vol. IA-17, No. 6, November/December 1981; 0093-9994/81/1100-0626\$00.75 © 1981 IEEE, 6 pg.

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U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
BI	4,885,523	12/1989	Koench, Steven E.	230	131	
ВЈ	4,965,738	10/1990	Bauer et al	320	136	
ВК	5,030,916	7/1991	Bokitch, Dennis J.	324	503	
BL	5,732,074	3/1998	Spaur et al.	370	313	
BM	6,088,652	12/1999	Theofanopoulos et al.	324	434	
BN	6,534,992	3/2003	Meissner et al.	324	426	
ВО	7,184,905	2/2007	Stefan, Donald A.	702	63	
BP	2004/0199343	10/2004	Cardinal et al.	702	63	
BQ	7,235,977	6/2007	Koran et al.	324	426	
BR	5,950,144	9/1999	Hall et al	702	108	
BS	6,771,073	8/2004	Henningson et al.	324	426	
BT						

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
BU						
BV						
BW						

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	BX	Notification of Transmittal of the International Search Report and the Written Opinion of the International <u>Searching</u> Authority, or the Declaration for PCT/US2011/038279 filed 27 May 2011, date of mailing 9-16-11, 12 pages.			
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	October 2, 2004	2858		

U.S. PATENT DOCUMENTS

Exam Initi		Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
	BY	2010/0145780	6/2010	Nishikawa et al.	705	14.11	
	BZ	6,075,339	6/2000	Reipur et al.	320	110	
	CA	2007/0194791	8/2007	Huang	324	430	
	СВ	7,209,850	4/2007	Brott et al.	324	426	
	CC	2007/0024460	2/2007	Clark	340	663	
	CD	2003/0128036	7/2003	Henningson et al.	324	426	
	CE	6,285,191	9/2001	Gollomp et al.	324	427	
	CF	6,097,193	8/2000	Bramwell	324	429	
	CG	5,721,688	2/1998	Bramwell	324	426	
	СН	85,553	1/1869	Adams	33	472	
	CI	2004/0251876	12/2004	Bertness et al.	320	136	
	CJ	2003/0197512	10/2003	Miller et al .	324	426	

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
CK						
CL						
СМ						

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	CN	Copy of Provisional Application Serial No. 60/387,91	2 filed June 13, 2002 which is related to U.S. Patent No. 7,089,127.
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U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
СО	5,712,795	1/1998	Layman et al.	700	297	
СР	2008/0303529	12/2008	Nakamura et al.	324	433	
CQ	7,098,666	8/2006	Patino	324	433	
CR	6,218,805	4/2001	Melcher	320	105	
CS	6,075,339	6/2000	Reipur et al.	320	110	
СТ	3,997,830	12/1976	Newell et al.	320	102	
CU	5,818,201	10/1998	Stockstad et al.	320	119	
CV	7,089,127	8/2006	Thibedeau et al.	702	63	
CW	2009/0247020	10/2009	Gathman et al.	439	759	
CX	7,029,338 B1	4/2006	Orange et al.	439	755	
CY	7,557,586	7/2009	Vonderhaar et al.	324	437	
CZ	7,723,993	5/2010	Klang	324	431	

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
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DB						

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	DC "Conductance Testing Compared to Traditional Methods of Evaluating the Capacity of Valve-Regulated Lead-Act Batteries and Predicting State-of-Health", by D. Feder et al., May 1992, pgs. 1-8; (13 total pgs.).					
	DD "Field and Laboratory Studies to Assess the State of Health of Valve-Regulated Lead Acid Batteries: Part I-Conductance/Capacity Correlation Studies", by D. Feder at al., October 1992, pgs. 1-15; (19 total pgs.).					
EXAMI	NER:		DATE CONSIDERED:			

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FORM	PTO-1	449								cket No.: -0178		Appl. No.: 10/791,141
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Exan Init		Document No.	Dat	te		Naı	me		(Class	Sub Class	Filing Date If Appropriate
	DE	7,501,795	3/2009		Bertnes	s et al.				320	134	
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		Document N	No.]	Date		Country			Class	Sub Class	Translation Yes No
	DF											
		C	OTHER A	RT (In	cluding A	uthor, Titl	le, Date, Per	tinent	Page	s, Etc.)		
	DG	"Field Application in Electric Power										nection State-of-Health
	DH	"Conductance Tes Battery State-of-H									tions for the I	Purpose of Evaluating
	DI	"Condutance Mor	nitoring of	Recon	nbination	Lead Acid	d Batteries",	by B.	Jone	s, May 19	993, pgs. 1-6;	(11 total pgs.).
	DJ	"Evaluating the States Testing vs. Tradit										n of Conductance
	DK	"Updated State of Standby Lead Aci										utomotive SLI and
	DL		ting Part II									Technologies Using I., September 1993, pgs.
	DM	"Field Experience total pgs.).	of Testin	g VRL	A Batterie	es by Mea	suring Cond	luctan	ce", t	oy M.W. 1	Kniveton, Ma	y 1994, pgs. 1-4; (9
	DN	"Reducing the Co 1-5; (10 total pgs.		ntaining	y VRLA B	Satteries in	Telecom A	pplica	ations	", by M.V	W. Kniveton,	September 1994, pgs.
	DO	"Analysis and Inte Acid Batteries Pa										alve Regulated Lead .).
	DP											
EXAMI	NER:						DATE CO	NSID	ERE	D:		

	C382.12	ocket No.: 2-0178		Appl. No.:
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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION	Kevin I. Bertness			
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U.S. PATENT DOCUMENTS				
Examiner Document No. Initial Date Name		Class	Sub Class	Filing Date If Appropriate
DQ 7,545,146 6/2009 Klang et al.		324	426	
FOREIGN PATENT DOCUMENTS	S			
Document No. Date Country		Class	Sub Class	Translation Yes No
DR WO 96/28846 Sep 1996 WIPO				X
OTHER ART (Including Author, Title, Date, Pertin	nent Pag	es, Etc.)		
DS "Testing 24 Volt Aircraft Batteries Using Midtronics Conductance T (13 total pgs.).	Technolo	ogy", by M.	Hlavac et al.	, January 1995, 9 pgs;
DT "VRLA Battery Monitoring Using Conductance Technology Part IV Runaway Detection/Prevention", by M. Hlavac et al., October 1995,				toring and Thermal
DU "VRLA Battery Conductance Monitoring Part V: Strategies for VRI Operating Environments", by M. Hlavac et al., October 1996, 9 pgs;			and Monitori	ng in Telecom
DV "Midpoint Conductance Technology Used In Telecommunication St Considerations for Deployment of Midpoint Conductance in Telecon October 1997, 9 pgs; (13 total pgs.)	-			
DW "Impedance/Conductance Measurements as an Aid to Determining F 1998, pgs. 297-301; (9 total pgs.)	Replacei	ment Strateg	gies", M. Kni	veton, September
DX "A Fundamentally New Approach to Battery Performance Analysis et al., September 2000, 8 pgs; (12 total pgs.)	Using D	DFRA™/DT	IS™ Techno	ology", by K. Champlin
DY "Battery State of Health Monitoring, Combining Conductance Techn Time Battery Performance Analysis", by D. Cox et la., March 2000,				t Parameters for Real-
DZ Search Report and Written Opinion from PCT Application No. PCT	 Г/US201	1/026608, d	lated August	29, 2011, 9 pgs.
EA				
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U.S. PATENT DOCUMENTS

Examiner Initial	er Document No.		Name	Class	Sub Class	Filing Date If Appropriate
EC	7,319,304	1/2008	Veloo et al.	320	134	
ED	7,208,914	4/2007	Klang	320	132	
EE	7,408,358	8/2008	Knopf	324	426	
EF	7,598,699	10/2009	Restaino et al.	320	105	
EG	6,744,149	6/2004	Karuppana et al.	307	31	
ЕН	7,246,015	7/2007	Bertness et al.	702	63	
EI	7,154,276	12/2006	Bertness	324	503	
EJ	7,688,074	3/2010	Cox et al.	324	426	
EK	7,710,119	5/2010	Bertness	324	426	
EL	7,772,850	8/2010	Bertness	324	426	
EM	7,774,151	8/2010	Bertness	702	63	
EN	7,642,786	1/2010	Philbrook	324	426	
ЕО	7,479,763	1/2009	Bertness	320	134	
EP	7,656,162	2/2010	Vonderhaar et al.	324	426	
EQ	7,505,856	3/2009	Restaino et al.	702	63	

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
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U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
ES	7,498,767	3/2009	Brown et al.	320	107	
ET	7,598,743	10/2009	Bertness	324	426	
EU	7,034,541	4/2006	Bertness et al.	324	426	
EV	7,777,612	8/2010	Sampson et al.	340	426.1	
EW	7,705,602	4/2010	Bertness	324	426	
EX	7,595,643	9/2009	Klang	324	426	
EY	7,398,176	7/2008	Bertness	702	140	
EZ	7,295,936	11/2007	Bertness et al.	702	63	
FA	7,619,417	11/2009	Klang	324	427	
FB	7,363,175	4/2008	Bertness et al.	702	63	
FC	7,791,348	9/2010	Brown et al.	324	426	
FD	7,598,744	10/2009	Bertness et al.	324	426	
FE	7,425,833	9/2008	Bertness et al.	324	426	
FF	7,642,787	1/2010	Bertness et al.	324	426	

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
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U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
FI	7,706,991	4/2010	Bertness et al.	702	63	
FJ	7,808,375	10/2010	Bertness et al.	340	455	
FK	7,728,597	6/2010	Bertness	324	426	
FL	7,924,015	4/2011	Bertness	324	427	
FM	5,691,621	Nov 1997	Phuoc et al.	320	134	
FN	5,990,664	Nov 1999	Rahman	320	136	
FO	6,100,815	Aug 2000	Pailthorp	324	754.07	
FP	6,191,557	Feb 2001	Gray et al.	320	132	
FQ	2008/0303528	Dec 2008	Kim	324	430	
FR	7,657,386	Feb 2010	Thibedeau et al.	702	63	
FS	5,278,759	Jan 1994	Berra et al.	701	1	
FT	5,596,261	Jan 1997	Suyama	320	152	
FU	2005/0218902	Oct 2005	Restaino et al.	324	433	
FV	2005/0007068	Jan 2005	Johnson et al.	320	110	

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
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U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
FY	6,324,042	Nov 2001	Andrews	361	93.2	
FZ	2003/0078743	4/2003	Bertness et al.	702	63	
GA	2010/0314950	12/2010	Rutkowski et al.	307	125	
GB	2011/0004427	1/2011	Gorbold et al.	702	63	
GC	6,136,914	Oct 2000	Hergenrother et al.	524	495	
GD	2001/0035737	11/2001	Nakanishi et al.	320	122	
GE	2005/0168226	8/2005	Quint et al.	324	426	
GF	2006/0012330	1/2006	Okumura et al.	320	103	
GG	5,666,040	9/1997	Bourbeau	320	118	
GH	6,236,186	05/2001	Helton et al.	320	106	
GI	2005/0073314	04/2005	Bertness et al.	324	433	
GJ	6,184,656	02/2001	Karunasiri et al.	320	119	
GK	2002/0041175	04/2002	Lauper et al.	320	106	
GL	2003/0169019	09/2003	Oosaki, Yoshiki	320	132	

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
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	October 2, 2004	2858	

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
GO	2005/0258241	11/2005	McNutt et al.	235	385	
GP	7,698,179	04/2010	Leung et al.	705	28	
GQ	2004/0145342	07/2004	Lyon, Geoff M.	320	108	
GR	2002/0041175	04/2002	Lauper et al.	320	106	
GS	7,177,925	02/2007	Carcido et al.	709	223	
GT	7,287,001	10/2007	Falls et al.	705	22	
GU	7,698,179	04/2010	Leung et al.	705	28	
GV	2004/0113588	06/2004	Mikuriya et al.	320	128	
GW	2002/0074398	06/2002	Lancos et al.	235	382	
GX	7,883,002	02/2011	Jin et al.	235	376	
GY	6,856,972	02/2005	Yun et al.	705	36R	
GZ	5,412,323	5/1995	Kato et al.	324	429	
НА	5,773,962	6/1998	Nor	320	134	
НВ	6,236,949	5/2001	Hart	702	64	
НС	2002/0021135	2/2002	Li et al.	324	677	

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
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U.S. PATENT DOCUMENTS					

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
HF	6,356,083	3/2002	Ying	324	426	
HG	2004/0164706	8/2004	Osborne	320	116	
НН	7,102,556	9/2006	White	341	141	
НІ	7,219,023	5/2007	Banke et al.	702	58	
НЈ	7,233,128	6/2007	Brost et al.	320	132	
НК	7,453,238	11/2008	Melichar	320	132	
HL	7,679,325	3/2010	Seo	320	116	
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FOREIGN PATENT DOCUMENTS

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